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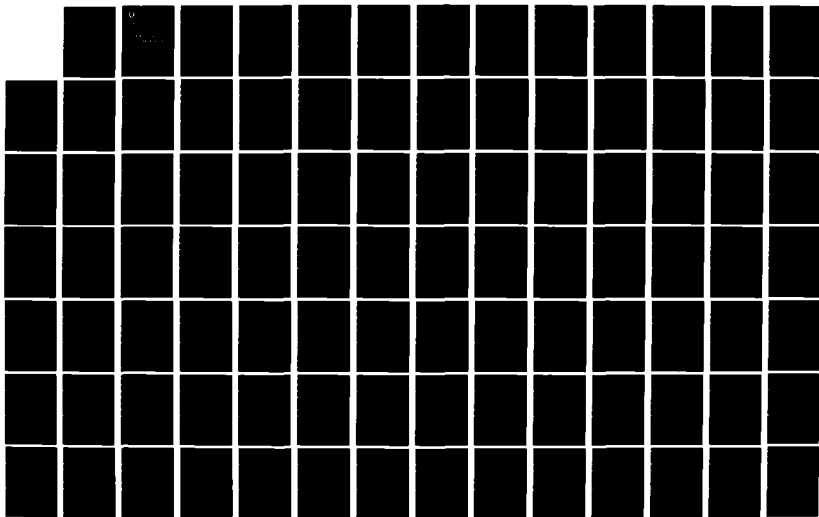
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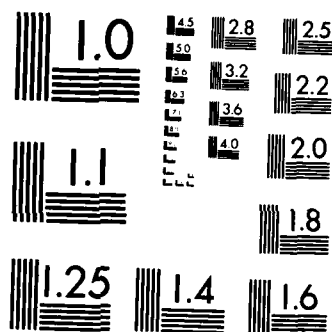
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## RESEARCH AND DEVELOPMENT TECHNICAL REPORT

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20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This bibliography lists 1014 technical papers presented at International Wire and Cable Symposia from 1952 through 1981. The citations are grouped by symposium number and two indexes are provided: a Key Word in Context (KWIC) index for retrieval of titles by subject, a bibliography with symposium number assigned each paper, and an author title index. Among the broad subject areas covered in the bibliography are: military and aerospace electronics; telephone communications; electronic wiring; cable design, test and performance, evaluation; electrical engineering and fiber optics.			

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The full title will appear surrounding each key word. If the title looks interesting, you will find full bibliographic identification of the item, by number, in the Bibliography section of this report.

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FOURTH SYMPOSIUM, 1955 (AD-656373)
- 96 RF POWER RATINGS OF TEFLON COAXIAL CABLES (VSWR, TEMPERATURE)  
BY: MAPES, G.J. CAMILLO, C.C.  
FOURTH SYMPOSIUM, 1955 (AD-656379)
- 97 NEW DEVELOPMENTS IN SILICONE RUBBER COMPOUNDS FOR EXTRUDED ELECTRICAL  
INSULATION (THERMAL, WATER)  
BY: NOBLE, M.G.

- 98 FIFTH SYMPOSIUM, 1956 (AD-656518)  
NEW DEVELOPMENTS IN SILICONE RUBBER ELECTRICAL TAPES (THERMAL, WATER)  
BY: HURLEY, J.S.JR.
- 99 FIFTH SYMPOSIUM, 1956 (AD-656505)  
HIGH POWER, LOW NOISE PULSE CABLES (COAXIAL, BUTYL, SILICONE, SEMI-  
CONDUCTOR, SHIELDING)  
BY: FELLER, R.G. AGRIOS, J.
- 100 FIFTH SYMPOSIUM, 1956 (AD-656503)  
ADVANTAGES AND LIMITATIONS OF ALUMINUM WIRE AND CABLE (TAPE, ARMOR,  
SHEATH, WATER, CORROSION, TERMINATIONS)  
BY: STODDARD, H.R. GROSS, R.E. SNOW, G.A.
- 101 FIFTH SYMPOSIUM, 1956 (AD-656511)  
SUBMARINE CABLE ACTIVITIES AT THE U.S. NAVY ELECTRONICS LABORATORY  
(CABLE INSTALLATION)  
BY: WILLIAMS, G.V.
- 102 FIFTH SYMPOSIUM, 1956 (AD-656507)  
INSULATED PARALLEL CIRCUIT WITH AIR DIELECTRIC FOR RURAL TELEPHONE  
SERVICE  
BY: SMITH, W.T. BALLARD, C.R. BAILEY, R.S.
- 103 FIFTH SYMPOSIUM, 1956 (AD-656506)  
C - RURAL WIRE (POLYETHYLENE, WATER)  
BY: JAHN, A.P.
- 104 FIFTH SYMPOSIUM, 1956 (AD-656508)  
HIFAY POTENTIALS IN THE WIRE AND CABLE INDUSTRY (POLYETHYLENE, FLEXI-  
BILITY, EXTRUSION, ELECTRICAL, ABRASION)  
BY: CRONIN, E.W. MARTIN, J.B. BRACKEN, W.O.
- 105 FIFTH SYMPOSIUM, 1956 (AD-656509)  
SOME CONSIDERATIONS ON THE USE OF HIGH DENSITY POLYTHENE IN THE CABL  
E INDUSTRY (PLASTIC)  
BY: GRANT, D.
- 106 FIFTH SYMPOSIUM, 1956 (AD-656502)  
EFFECT OF RADIATION ON POLYETHYLENE  
BY: LANZA, V.L.
- 107 FIFTH SYMPOSIUM, 1956 (AD-656513)  
THE USE OF IRRATHENE IRRADIATED POLYETHYLENE IN WIRE AND CABLE (SEMI-  
CONDUCTOR, TAPE, THERMAL, ELECTRICAL, WATER)  
BY: MAC KENZIE, K.J.
- 108 FIFTH SYMPOSIUM, 1956 (AD-656512)  
A SEALING CONNECTOR FOR SMALL INSULATED CONDUCTORS (EPOXY, TERMINA-  
TIONS)  
BY: BOLLMEIER, E.W.
- 109 FIFTH SYMPOSIUM, 1956 (AD-656517)  
EXTRUSION OF TEFLON 6 TETRAFLUOROETHYLENE RESIN FOR WIRE INSULATION  
(FLUOROCARBON)  
BY: DE YOUNG, D.N. SNELLING, G.R.
- 110 FIFTH SYMPOSIUM, 1956 (AD-656515)  
A PRACTICAL APPROACH TO THE EXTRUSION OF THERMOPLASTICS (POLYETHYLEN  
E NYLON)  
BY: HOOPER W.
- 111 FIFTH SYMPOSIUM, 1956 (AD-656514)  
HOW TO PREDICT EXTRUDER PERFORMANCE (POLYETHYLENE)  
BY: MADDOCK, B.M.
- 112 FIFTH SYMPOSIUM, 1956 (AD-656510)  
KEL-F 500, A NEW FLUOROCARBON WIRE INSULATING MATERIAL (HOOK-UP,  
RADIATION, EXTRUSION)  
BY: JUPA, J.A.
- 113 FIFTH SYMPOSIUM, 1956 (AD-656504)  
PROPERTIES OF HYPALON WIRE COVERINGS (ELECTRICAL, THERMAL, WEATHER)

- BY: KEELEY, F.W.  
FIFTH SYMPOSIUM, 1956 (AD-656523)
- 114 NYLON IN WIRE AND CABLE (ABRASION, DEFORMATION, CHEMICAL)  
BY: GIBSON, A.L.  
FIFTH SYMPOSIUM, 1956 (AD-656522)
- 115 HIGH SPEED COLOR CODING OF PVC INSULATED WIRE (PRINTING, INK)  
BY: HOFF, W.L.  
FIFTH SYMPOSIUM, 1956 (AD-656524)
- 116 RESISTANCE OF RUBBER COVERED CABLE, JACKET, AND INSULATION STOCKS TO  
WEATHER AND ARTIFICIAL AGING  
BY: BRYDEN, J.W. MITTON, P. RUPPERT, F. SMITH, M.  
FIFTH SYMPOSIUM, 1956 (AD-656516)
- 117 AGING OF NEOPRENE IN A WEATHEROMETER  
BY: VACCA, G.N. LUNDBERG, C.V.  
FIFTH SYMPOSIUM, 1956 (AD-656500)
- 118 THE EFFECT OF CARBON BLACK SURFACE PROPERTIES ON THE STABILITY OF  
POLYETHYLENE (WEATHER)  
BY: MOYNIHAN, J.T.  
FIFTH SYMPOSIUM, 1956 (AD-656501)
- 119 NEW DEVELOPMENTS IN CABLE JACKETING COMPOUNDS (PVC, ABRASION, LOW  
TEMPERATURE, DEFORMATION)  
BY: DAHRINGER, D.W. HIGGINS, W.T.  
FIFTH SYMPOSIUM, 1956 (AD-656521)
- 120 SUB-MINIATURE COAXIAL CABLE R.F. POWER RATINGS AND CONNECTOR CHARAC  
TERISTICS (POLYETHYLENE, FLUOROCARBON)  
BY: MARES, G.J. SLADEK, N.J.  
FIFTH SYMPOSIUM, 1956 (AD-656520)
- 121 ALUMINUM SHEATHING PRESS (METAL-PROCESSING)  
BY: GARNER, D.G.  
FIFTH SYMPOSIUM, 1956 (AD-656519)
- 122 COMMUNICATION UNDERGROUND DISTRIBUTION PLANT IN URBAN AREAS (POLYETH  
YLENE, TERMINATION)  
BY: FLOER, C.H.  
SIXTH SYMPOSIUM, 1957 (AD-656409)
- 123 EXPERIENCES WITH SELF SUPPORTED PLASTIC COMMUNICATION CABLE (TERMINA  
TION, POLYETHYLENE, PVC)  
BY: BROWN, M.O.  
SIXTH SYMPOSIUM, 1957 (AD-656410)
- 124 CABLE SPLICING GOES MODERN (COMMUNICATIONS)  
BY: KLEINFELDER, W.C.  
SIXTH SYMPOSIUM, 1957 (AD-656411)
- 125 FIELD STUDY OF SHEAR TYPE SEALING CONNECTOR (COMMUNICATION, REA)  
BY: BULLMEIER, E.W.  
SIXTH SYMPOSIUM, 1957 (AD-656412)
- 126 EXTRUSION OF FAST CURING NEOPRENE WIRE AND CABLE COMPOUNDS (VULCANI  
ZATION)  
BY: SIMMONS, G.L. MC CORMACK, C.E.  
SIXTH SYMPOSIUM, 1957 (AD-656413)
- 127 COMPOUNDING FOR HEAT RESISTANT INSULATIONS AND JACKETS (SBR, BUTYL,  
NEOPRENE)  
BY: ROWLEY, A.C.  
SIXTH SYMPOSIUM, 1957 (AD-656414)
- 128 PRE-DISPERSED ACCELERATORS IN RUBBER COMPOUNDS (SBR, BUTYL, NEOPRENE,

- THERMAL, VULCANIZATION)  
 BY: WARE, J.  
 SIXTH SYMPOSIUM, 1957 (AD-656415)
- 129 NEW DEVELOPMENTS IN HI-FAX COVERINGS FOR WIRE AND CABLE (POLYETHYLENE, STRESS CRACKING)  
 BY: ACTON, W.P. BRACKEN, W.D.  
 SIXTH SYMPOSIUM, 1957 (AD-656416)
- 130 THE EFFECT OF STOCK TEMPERATURE ON THE PHYSICAL PROPERTIES OF POLYETHYLENE COATINGS FOR WIRE (EXTRUSION)  
 BY: DURNO, J.A.  
 SIXTH SYMPOSIUM, 1957 (AD-656417)
- 131 THE INTERRELATIONSHIP BETWEEN DENSITY AND DIELECTRIC STRENGTH OF HIGH PRESSURE POLYETHYLENE FOR HIGH VOLTAGE  
 BY: SILVER, A.S.  
 SIXTH SYMPOSIUM, 1957 (AD-656418)
- 132 EVALUATION OF CARBON BLACK DISPERSIONS IN POLYETHYLENE TO PREDICT WEATHERABILITY  
 BY: SCHULKEN, R.M.JR. NEWLAND, G.C. TAMBLYN, J.W.  
 SIXTH SYMPOSIUM, 1957 (AD-656419)
- 133 BULK HANDLING OF POLYETHYLENE IN CABLE MANUFACTURING  
 BY: DINSMORE, M.G.JR.  
 SIXTH SYMPOSIUM, 1957 (AD-656420)
- 134 TECHNIQUES FOR INSULATING WIRE AND CABLE WITH SILICONE RUBBER (EXTRUSION, TAPE, VULCANIZATION)  
 BY: YOUNGS, D.C. BADAMO, C.J. CULVER, M.N.  
 SIXTH SYMPOSIUM, 1957 (AD-656421)
- 135 CONTROLLED PRESSURE (VALVE) EXTRUSION (POLYETHYLENE, PVC, POLYSTYRENE)  
 BY: MADDOCK, B.H. NALEPA, H.J. ZURKOFF, B.  
 SIXTH SYMPOSIUM, 1957 (AD-656422)
- 136 THE EXTRUSION OF TEFLON 100 X PERFLUOROCARBON RESIN, A NEW MELT EXTRUDABLE MATERIAL FOR WIRE INSULATION  
 BY: STABLER, R.E.  
 SIXTH SYMPOSIUM, 1957 (AD-656423)
- 137 FOAMED POLYETHYLENE COAXIAL CABLES (PVC, WATER, WEATHER)  
 BY: KARLSON, G.R. CAPILLO, C.C.  
 SIXTH SYMPOSIUM, 1957 (AD-656402)
- 138 LOW LOSS COAXIAL CABLE FOR MICROWAVE SERVICE (FOAM, POLYETHYLENE)  
 BY: AGRIOS, J.P. STONEBACK, I.T.  
 SIXTH SYMPOSIUM, 1957 (AD-656408)
- 139 HIGH TEMPERATURE AIRCRAFT WIRES (CONSTRUCTION, SILICONE, FLUOROCARBON, ASBESTOS, FLAME, COATINGS)  
 BY: WILSON, H.L. HORSTMAN, W.F.  
 SIXTH SYMPOSIUM, 1957 (AD-656403)
- 140 TESTING OF POLYVINYLCHLORIDE FORMULATIONS (ELECTRICAL, WATER)  
 BY: ASHWORTH, G.W. DARBY, J.R. KOERNER, W.E.  
 MUNCH, R.H.  
 SIXTH SYMPOSIUM, 1957 (AD-656404)
- 141 SOME ASPECTS OF THE STABILIZATION OF VINYL INSULATION (ELECTRICAL, THERMAL)  
 BY: HENDRICKS, J.G. COOPERMAN, N.L.  
 SIXTH SYMPOSIUM, 1957 (AD-656610)
- 142 DESIGN OF WIRE AND CABLE FOR DIRECT BURIAL ON RURAL TELEPHONE SYSTEMS OF RFA BORROWERS (CONSTRUCTION, POLYETHYLENE)  
 BY: BALLARD, C.R. FARNSWORTH, F.F. RICHEY, A.L.  
 BAILEY, R.S.  
 SIXTH SYMPOSIUM, 1957 (AD-656405)
- 143 BURIED RURAL TELEPHONE DISTRIBUTION SYSTEMS (TERMINATION, WATER, POLYETHYLENE)

- BY: BENNER, A.C.                      DAVIS, J.W.                      WILSON, D.G.  
SIXTH SYMPOSIUM, 1957 (AD-656407)
- 144 LEAKAGE OF ELECTROMAGNETIC ENERGY FROM COAXIAL CABLE STRUCTURES  
(SHIELDING, BRAIDED CABLE, TEM MODE)  
BY: IKRATH, K.  
SIXTH SYMPOSIUM, 1957 (AD-656424)
- 145 INFLUENCE OF WATER IMMERSION ON ELECTRICAL CHARACTERISTICS OF SILI  
CONE RUBBER)  
BY: NOBLE, M.G.                      SEAMONDS, W.L.  
SEVENTH SYMPOSIUM, 1958 (AD-656235)
- 146 ENJAY BUTYL IN LOW VOLTAGE APPLICATIONS (WEATHER, WATER, THERMAL,  
TELEPHONE DROP)  
BY: FISCHER, W.F.                      SMITH, W.C.  
SEVENTH SYMPOSIUM, 1958 (AD-656284)
- 147 RODENT ATTACK ON RUBBER AND PLASTICS INSULATED WIRES AND CABLES  
BY: BJORCK, G.R.                      LIZELL, B.F.                      ROOS, J.S.L.  
SEVENTH SYMPOSIUM, 1958 (AD-656295)
- 148 MEASUREMENT OF THE DEGREE OF DISPERSION OF CARBON BLACK IN POLYETHY  
LENE USING ABSORPTION OF LIGHT (WEATHER)  
BY: METZGER, A.P.                      CUCKS, G.G.  
SEVENTH SYMPOSIUM, 1958 (AD-656290)
- 149 MICRODENSITOMETRIC DETERMINATION OF DISPERSION (WEATHER, POLYETHY  
LENE)  
BY: BEST, W.G.                      TOMFOHRDE, H.F. III  
SEVENTH SYMPOSIUM, 1958 (AD-656275)
- 150 POLYTHENE-MECHANISM OF FRACTURE (TENSILE, IMPACT, LOW TEMPERATURE)  
BY: CLEGG, P.L.                      TURNER, S.                      VINCENT, P.I.  
SEVENTH SYMPOSIUM, 1958 (AD-656281)
- 151 THERMAL STRESS CRACKING OF POLYETHYLENE-II  
BY: HEISS, J.H.                      LANZA, V.L.                      MARTIN, W.M.  
SEVENTH SYMPOSIUM, 1958 (AD-656292)
- 152 CARBON BLACK LOADED CROSS-LINKED POLYETHYLENE IN WIRE AND CABLE  
(THERMAL, ABRASION, DEFORMATION)  
BY: BLUESTEIN, A.C.                      BOONSTRA, B.B.  
SEVENTH SYMPOSIUM, 1958 (AD-656298)
- 153 CHEMICALLY CROSS-LINKED POLYETHYLENE (THERMAL, ABRASION, IMPACT,  
ELECTRICAL, DEFORMATION, CHEMICAL, WATER)  
BY: KERWIN, F.R.  
SEVENTH SYMPOSIUM, 1958 (AD-656390)
- 154 NEW EXTRUSION TECHNIQUES WITH SILICONE RUBBER (FIXTURE, THERMAL)  
BY: BASHORE, H.H.                      SCHWARZ, E.G.                      SIMPSON, C.E.  
SEVENTH SYMPOSIUM, 1958 (AD-656279)
- 155 ELECTRON PROCESSING TECHNIQUES FOR WIRE AND CABLE IRRADIATION  
(RADIATION)  
BY: TPAGESER, D.A.  
SEVENTH SYMPOSIUM, 1958 (AD-656277)
- 156 THE EFFECTS OF RADIATION ON SILICONE RUBBER WIRE AND CABLE INSULA  
TION (PHYSICAL, ELECTRICAL)  
BY: CURRIN, C.G.  
SEVENTH SYMPOSIUM, 1958 (AD-656276)
- 157 NUCLEAR RADIATION - A NEW ENVIRONMENT (METAL, ANTI-RAD, ELECTRICAL,  
PLASTIC, RUBBER)  
BY: LEININGER, R.I.                      LYONS, C.J.

- SEVENTH SYMPOSIUM, 1958 (AD-656278)  
 158 LOW LOSS COAXIAL CABLE FOR HIGH TEMPERATURE SERVICE (THERMAL, INORGANIC INSULATION)  
 BY: DONOHUE, W.A. SMITH, F.T.
- SEVENTH SYMPOSIUM, 1958 (AD-656290)  
 159 COMPOSITE WIRES FOR OPERATION AS ELECTRICAL CONDUCTORS AT ELEVATED TEMPERATURE (THERMAL, METALS, CONDUCTIVITY)  
 BY: HOWELL, J.R.
- SEVENTH SYMPOSIUM, 1958 (AD-656291)  
 160 DEVELOPMENT AND APPLICATION NOTES ON THIN-WALL TEFLON INSULATED WIRE AND CABLE (FLUOROCARBON, HOOK-UP, TAPE)  
 BY: COHN, J.I.
- SEVENTH SYMPOSIUM, 1958 (AD-656292)  
 161 EVALUATION OF MULTICONDUCTOR CABLES USED IN GROUND TO AIR GUIDED MISSILE SYSTEMS (SILICONE, PVC, POLYETHYLENE)  
 BY: MORAN, T.J. ROACHE, J.J.
- SEVENTH SYMPOSIUM, 1958 (AD-656289)  
 162 FLAME RETARDENT POLYETHYLENE FOR WIRE AND CABLE (ELECTRICAL, THERMAL, DEFORMATION)  
 BY: GRAHAM, R.C. NEROS, C.A.
- SEVENTH SYMPOSIUM, 1958 (AD-656293)  
 163 EVEN COUNT POLYETHYLENE INSULATED CABLE (COLOR, CODING, TERMINATION)  
 BY: HORN, F.W.
- SEVENTH SYMPOSIUM, 1958 (AD-656294)  
 164 AN AIR-LAYABLE CARRIER FREQUENCY CABLE FOR MOBILE WARFARE (COMMUNICATION, POLYETHYLENE, CONSTRUCTION)  
 BY: MURRAY, W.C. WILLS, F.W.
- SEVENTH SYMPOSIUM, 1958 (AD-656293)  
 165 ALUMOWELD, A NEW BIMETALLIC WIRE FOR ELECTRICAL AND STRENGTH APPLICATIONS (ALUMINUM, CORROSION, TENSILE)  
 BY: LEIB, F.E.
- SEVENTH SYMPOSIUM, 1958 (AD-656287)  
 166 EFFECTS OF PLASTICIZERS UPON DRY BLENDING POLYVINYL CHLORIDE RESINS (MIXING, FLEXIBILITY, THERMAL, WEATHER)  
 BY: PARK, R.A.
- SEVENTH SYMPOSIUM, 1958 (AD-656286)
- 167 THE PROBLEM OF DRYING POLYETHYLENE SHEATHING COMPOUND PRIOR TO EXTRUSION (WATER)  
 BY: KRUGER, F.H.
- EIGHTH SYMPOSIUM, 1959 (AD-656240)  
 168 THE SYSTEMATIC CONTROL OF RUBBER-TO-METAL ADHESION IN WIRE AND CABLE INDUSTRY (SER, NEOPRENE, NITRILE, BUTYL)  
 BY: STOUT, R.P.
- EIGHTH SYMPOSIUM, 1959 (AD-656239)  
 169 THE DESIGN OF DIES FOR HIGH SPEED WIRE COATING (EXTRUSION, POLYETHYLENE)  
 BY: HAMMOND, L.R.
- EIGHTH SYMPOSIUM, 1959 (AD-656239)  
 170 A NOVEL METHOD OF CORE SCREENING OF POLYTHENE INSULATED CABLES (SEMI-CONDUCTANCE, SHIELDING, POWER CABLE)  
 BY: STEVENS, R.S. TOPICA, A.
- EIGHTH SYMPOSIUM, 1959 (AD-656237)  
 171 DEPENDENCE OF PHOTOLYTIC DEGRADATION OF POLYETHYLENE ON THE DEGREE

- OF DISPERSION OF CARBON BLACK (WEATHER)  
 BY: LANZA, V.L. HEISS, J.H. MARTIN, W.M.  
 EIGHTH SYMPOSIUM, 1959 (AD-656236)
- 172 ETHYLENE COPOLYMER FOR WIRE COATING (POLYETHYLENE, STRESS CRACK,  
 ELECTRICAL, COLOR)  
 BY: BOEKE, P.J. BRANSCUM, T.E. CRAIG, R.F.  
 EIGHTH SYMPOSIUM, 1959 (AD-656235)
- 173 NEW INSULATION APPLICATIONS FOR HIGH DENSITY POLYETHYLENE AND POLY  
 PROPYLENE (ELECTRICAL, PHYSICAL, THERMAL)  
 BY: ACTON, W.P. PETZOLD, L.C.  
 EIGHTH SYMPOSIUM, 1959 (AD-656234)
- 174 FILLER STUDY IN CROSS-LINKED POLYETHYLENE (ELECTRICAL, THERMAL, ABRASION,  
 TEAR)  
 BY: ABBEY, W.F. CARLSON, B.C. ZIMMERMAN, R.T.  
 EIGHTH SYMPOSIUM, 1959 (AD-656233)
- 175 AN EVALUATION OF HEAT STABILIZED, FLAME-RETARDED, CROSS-LINKED  
 POLYOLEFINS FOR ELECTRONIC WIRE AND CABLE APPLICATIONS  
 BY: COOK, P.M. MUCHMORE, R.W. RAPP, H.  
 EIGHTH SYMPOSIUM, 1959 (AD-656226)
- 176 NYLON 6 AS A WIRE JACKETING MATERIAL (THERMAL, ABRASION, ELECTRICAL)  
 BY: TAYLOR, C.W.  
 EIGHTH SYMPOSIUM, 1959 (AD-656228)
- 177 USE AND ABUSE OF PLASTIC INSULATION AND JACKETS (POLYETHYLENE, PVC,  
 TERMINATIONS)  
 BY: KELLMAN, B.  
 EIGHTH SYMPOSIUM, 1959 (AD-656231)
- 178 THERMAL AGING CHARACTERISTICS OF AIRCRAFT WIRES AND CABLES (MAGNET  
 WIRE, PVC, NYLON)  
 BY: BRANCATO, E.L. CAMPBELL, F.J.  
 EIGHTH SYMPOSIUM, 1959 (AD-656230)
- 179 EXPERIMENTAL RESULTS ON CELLULAR DIELECTRICS FOR TELE-COMMUNICATION  
 CABLES (STRESS-CRACKING, POLYETHYLENE)  
 BY: MCNELLI, P.  
 EIGHTH SYMPOSIUM, 1959 (AD-656229)
- 180 RIBBON CABLE FOR USE AT HIGH TEMPERATURE (TEFLON, FLUOROCARBON, ADHESIVE,  
 FLEX, TERMINATIONS)  
 BY: GORE, W.L.  
 EIGHTH SYMPOSIUM, 1959 (AD-656225)
- 181 PLASTIC-INSULATED RIBBON-CABLE FOR SWITCHBOARD WIRING (TERMINATION)  
 BY: COOLS, F. MOONS, H. MUTYS, J.  
 EIGHTH SYMPOSIUM, 1959 (AD-656248)
- 182 DEVELOPMENT OF SEMI-AIR SPACED COAXIAL CABLE FOR 300 C AND 500 C  
 (HIGH TEMPERATURE, RADIATION, TEFLON, INORGANIC)  
 BY: TRILL, S.W. MC KEAN, A.L.  
 EIGHTH SYMPOSIUM, 1959 (AD-656227)
- 183 DITRIDECYL PHTHALATE (DTP) IN HIGH TEMPERATURE VINYL INSULATION  
 (THERMAL, ELECTRICAL)  
 BY: DIMLER, W.A.JR.  
 EIGHTH SYMPOSIUM, 1959 (AD-656247)
- 184 COLOR STANDARDS FOR PLASTIC INSULATED COMMUNICATION CABLES AND WIRES  
 (POLYETHYLENE, PVC, MUNSSELL)  
 BY: NEWMAN, W.W.JR. BALLARD, C.R.  
 EIGHTH SYMPOSIUM, 1959 (AD-656246)
- 185 DETERMINATION OF THE COEFFICIENT OF LINEAR EXPANSION WITH TEMPERATURE  
 OF CABLE STRUCTURES (COMMUNICATION)  
 BY: SHUHART, J.H. DAHMS, K.J.  
 EIGHTH SYMPOSIUM, 1959 (AD-656244)
- 186 CABLE SHEATHS AND WATER PERMEABILITY (BUTYL, POLYETHYLENE, NEOPRENE,



- SBR, PVC)  
 BY: TODD, G.F.  
 EIGHTH SYMPOSIUM, 1959 (AD-656243)
- 187 CROSSTALK IN TACTICAL INTRA-AREA GROUND ELECTRONIC CABLES  
 BY: GODWIN, E. OKUMOTO, K. BOTTICELLO, D.  
 EIGHTH SYMPOSIUM, 1959 (AD-656242)
- 188 DESIGN AND APPLICATION OF MISSILE CABLES EMPLOYING LAYTEX INSULATION  
 (PVC, NEOPRENE, NITRILE)  
 BY: PRIESTLEY, W.K. TAPPERO, C.J. D AQUANNO, E.J.  
 EIGHTH SYMPOSIUM, 1959 (AD-656241)
- 189 AUTOMATIC CONVEYOR FOR POLYETHYLENE GRANULES (MATERIALS HANDLING)  
 BY: SHEEHAN, J.F.JR. QUICK, G.A.JR. BURROUGHS, H.H.  
 EIGHTH SYMPOSIUM, 1959 (AD-656249)
- 190 THEORETICAL CONSIDERATION OF STIFFNESS IN AN ELECTRIC CABLE (FLEX)  
 BY: CARNEY, V.L. MAC LAREN, E.W.JR.  
 EIGHTH SYMPOSIUM, 1959 (AD-656232)
- 191 AN IMPROVED OVEN FOR ACCELERATED AGING OF POLYVINYL CHLORIDE COMPOUNDS  
 BY: SHERWOOD, R.M. BORDONSKI, S.J.  
 NINTH SYMPOSIUM, 1960 (AD-656202)
- 192 COAXIAL CABLE AND SHIELDED WIRE TERMINATIONS (CRIMP, CONNECTOR, TOOL)  
 BY: BROWN, M.L.  
 NINTH SYMPOSIUM, 1960 (AD-656200)
- 193 SILICONE COMPOUND DEVELOPMENT AND QUALITY CONTROL THROUGH USE OF THE  
 MOONEY VISCOMETER (RHEOLOGY, CURE)  
 BY: SAVAGE, R.M.  
 NINTH SYMPOSIUM, 1960 (AD-656199)
- 194 DEGRADATION OF POLYMERS BY EXTERNAL CORONA DISCHARGE (OZONE, ELECTRON  
 BOMBARDMENT, IONIC BOMBARDMENT)  
 BY: GROSSMAN, R.F.  
 NINTH SYMPOSIUM, 1960 (AD-656198)
- 195 HEAT AGING STUDIES OF CHEMICALLY CROSS-LINKED POLYETHYLENE (DENSITY CUT-  
 THROUGH, RESIN, ANTIOXIDANT)  
 BY: TAREOX, A.E.  
 NINTH SYMPOSIUM, 1960 (AD-656196)
- 196 HIGH DENSITY POLYETHYLENE INSULATION IN COMMUNICATION CABLES (STRESS  
 -CRACKING, MOLECULAR WEIGHT, LOAD SHEATH)  
 BY: MC BRIDE, J.V.  
 NINTH SYMPOSIUM, 1960 (AD-656197)
- 197 NEW LOW-LOSS BALLOON TYPE POLYETHYLENE INSULATION FOR TELECOMMUNICA  
 TION CABLES (PROCESS, PERMITTIVITY FACTOR)  
 BY: FUCHS, G. VERGES, P.  
 NINTH SYMPOSIUM, 1960 (AD-656195)
- 198 CONSTRUCTION DETAILS AND PROCESSING METHODS OF GEOPHYSICAL CABLES  
 (MARINE, LAND CABLES, LIGHTWEIGHT, FLEXIBLE)  
 BY: MC KENNA, C.P.  
 NINTH SYMPOSIUM, 1960 (AD-656194)
- 199 A NEW ANTITWIST ARMORED SUBMARINE CABLE (COAXIAL, MODULUS)  
 BY: PRIAROGGIA, P.G. MINELLI, R. PALANORI, G.  
 GAZZANA, P.  
 NINTH SYMPOSIUM, 1960 (AD-656193)
- 200 UNARMORED SUBMARINE CABLE FOR DEEP-SEA CARRIER TELEPHONE (TRANSATLAN  
 TIC, REPEATERS, COAXIAL, LIGHTWEIGHT)  
 BY: MEYERS, A.L.

- 201 NINTH SYMPOSIUM, 1960 (AD-65619 2)  
CABLE SPLICING UTILIZING NEW SILICONE MATERIALS (WEATHERING, OZONE)  
BY: KINCAID, R.E.
- 202 NINTH SYMPOSIUM, 1960 (AD-656186)  
NEW FLUOROCARBON INSULATION COMPOUNDS (TEFLON, PLASTIC FLOW, ABRASION, CORONA, FIBERS, CUT-THROUGH)  
BY: CORE, W.L.
- 203 NINTH SYMPOSIUM, 1960 (AD-656187)  
SOME RECENT STUDIES OF ELECTRICAL GRADE FILLERS IN BUTYL RUBBER AND OTHER INSULATION MATERIALS (HIGH VOLTAGE)  
BY: FISCHER, W.F.
- 204 NINTH SYMPOSIUM, 1960 (AD-656191)  
THE IRRADIATION INDUCED ELASTIC MEMORY OF POLYMERS (RADIATION, POLYETHYLENE, TUBING, CROSS-LINKED)  
BY: LANZA, V.L. CDCK, P.M.
- 205 NINTH SYMPOSIUM, 1960 (AD-656190)  
THE APPLICATION OF ELECTRICAL CABLE TO MISSILE SYSTEMS (RELIABILITY, REQUIREMENTS, ENVIRONMENT, DESIGN)  
BY: MORGAN, G.H.
- 206 NINTH SYMPOSIUM, 1960 (AD-656189)  
PRODUCTION BY AUTOGENEOUS EXTRUSION (SCREW, ADIABATIC, EXOTHERMIC)  
BY: GRAY, A.N.
- 207 NINTH SYMPOSIUM, 1960 (AD-656188)  
A PRESENT AND FUTURE VIEW OF THE FIELD ARMY WIRE AND CABLE REQUIREMENTS (COMMUNICATION, SPIRAL-FOUR)  
BY: PATTERSON, D.T.
- 208 NINTH SYMPOSIUM, 1960 (AD-656206)  
FOUR WIRE FIELD WIRE (COMMUNICATION, MINIATURIZATION, TRANSMISSION, SPIRAL-QUAD)  
BY: MALINOWSKI, M.J. CRANMER, R.H.
- 209 NINTH SYMPOSIUM, 1960 (AD-656207)  
DEVELOPMENTS IN MINIATURE 300-600 VOLT FLEXIBLE INSULATED LEAD WIRE FOR USE AT 700-2000 F (HIGH TEMPERATURE)  
BY: PARKER, W.O.
- 210 NINTH SYMPOSIUM, 1960 (AD-656215)  
THE POWER RATING OF TEFLON COAXIAL CABLES AT EXTREME ENVIRONMENTS  
BY: PFUND, E.T.JR. KLANSKY, P.S.
- 211 NINTH SYMPOSIUM, 1960 (AD-656204)  
POLYMER REQUIREMENTS AND INSULATING TECHNIQUES FOR MAXIMUM BENEFITS OF HIGH DENSITY POLYETHYLENE (STRESS-CRACKING)  
BY: ETTINGER, R.J.
- 212 NINTH SYMPOSIUM, 1960 (AD-656216)  
WIRE JACKETS OF NYLON (SCREW DESIGN, QUALITY, STABILIZERS)  
BY: MC KANNAN, E.C. SHAW, R.E.
- 213 NINTH SYMPOSIUM, 1960 (AD-656203)  
SIMULTANEOUS EXTRUSION OF POLYETHYLENE AND POLYVINYL CHLORIDE COATING ON ELECTRICAL CONDUCTORS (MULTICOAT)  
BY: HENNING, G.E.
- 214 NINTH SYMPOSIUM, 1960 (AD-656205)  
AN ADAPTER TO IMPROVE THE SENSITIVITY OF THE Q METER FOR DIELECTRIC LOSS MEASUREMENTS OF POLYETHYLENE  
BY: ROSENTHAL, L. HAZEN, T.
- NINTH SYMPOSIUM, 1960 (AD-656201)

- 215 THE INFLUENCE OF EXTRUDER GEOMETRY IN THE PRODUCTION OF HOMOGENEOUS  
CELLULAR PLASTIC INSULATION (COLOR CODING)  
BY: SAUER, E.O. FOX, P.E.  
TENTH SYMPOSIUM, 1961 (AD-656170)
- 216 ELECTRICAL FATIGUE AND DIELECTRIC STRENGTH IN TEFLON TFE INSULATION  
BY: FOSTER, D.E. GUTHRIE, R.T. PENDERGAST, H.E.  
TENTH SYMPOSIUM, 1961 (AD-656171)
- 217 FACTORS INFLUENCING ACCELERATED OZONE TESTING AND WEATHERING OF  
CABLE COMPOSITIONS (AGING, WAXES)  
BY: YURGEN, W.J. PALINCHAK, S. STICKNEY, P.B.  
TENTH SYMPOSIUM, 1961 (AD-656172)
- 218 WATER ABSORPTION OF ELASTOMERS  
BY: BRIGGS, G.J. EDWARDS, D.C. STOREY, E.B.  
TENTH SYMPOSIUM, 1961 (AD-656173)
- 219 SILICONE RUBBER GRADED CONSTRUCTION FOR HIGH-VOLTAGE INSULATION (DI  
ELECTRIC CONSTANT, GRADIENT)  
BY: NIZINSKI, S.J.  
TENTH SYMPOSIUM, 1961 (AD-656174)
- 220 STANDARDIZATION OF WIRE TERMINATIONS USED ON MILITARY EQUIPMENTS  
(CONNECTIONS)  
BY: BEACH, R.O.  
TENTH SYMPOSIUM, 1961 (AD-656175)
- 221 WIRES AND CABLES FOR SUBMARINE RADIO SYSTEMS (FIRE-RESISTANCE, WATER  
TIGHT, FLEXIBILITY, COAXIAL)  
BY: BLAISDELL, K.L.  
TENTH SYMPOSIUM, 1961 (AD-656176)
- 222 A NEW ATTENUATING CONDUCTOR FOR REDUCING RADIO FREQUENCY NOISE FOUND  
ON ORDINARY POWER DISTRIBUTION LINES  
BY: BROOKS, J.L. CLARK, D.B.  
TENTH SYMPOSIUM, 1961 (AD-656177)
- 223 UNDERWATER CABLE CONNECTORS AND TERMINATORS FOR HYDROSTATIC PRESSURES  
5 TO 10,000 PSI  
BY: SWAN, R.A. THYM, G.C.  
TENTH SYMPOSIUM, 1961 (AD-656178)
- 224 QUINA: A SUBMARINE CABLE FOR AUDIO AND CARRIER FREQUENCIES (COAXIAL)  
BY: BORTOLETTO, B. MONELLI, R.  
TENTH SYMPOSIUM, 1961 (AD-656179)
- 225 CORRUGATED METALLIC SHEATH FOR COMMUNICATION AND DATA TRANSMISSION  
CABLE (CROSSTALK, SHIELDING, ARMOR, ALPETH)  
BY: ROBERTS, K.P. WARE, P.H.  
TENTH SYMPOSIUM, 1961 (AD-656181)
- 226 AN APPROACH TO OPTIMIZATION OF MISSILE CABLE SYSTEM DESIGN (LOGISTIC  
S, NEOPRENE, COLOR CODING)  
BY: GILMORE, W. KIRSSTEIN, B.  
TENTH SYMPOSIUM, 1961 (AD-656182)
- 227 DEVELOPMENT OF LIGHTWEIGHT GROUND SUPPORT CABLES FOR QUICK REACTION  
MISSILE SYSTEMS (MOBILITY, POLYCHLOROPRENE)  
BY: RIGLING, W.  
TENTH SYMPOSIUM, 1961 (AD-656180)
- 228 CHECKOUT CABLES FOR AN AIR-TO-SURFACE MISSILE (CONNECTORS, ASSEMBLYS)  
BY: GILL, F.K.  
TENTH SYMPOSIUM, 1961 (AD-656183)
- 229 CHANGING PATTERN OF TELEPHONE OUTSIDE PLANT (CARRIER, COAXIAL, MICRO  
WAVE, PIC, POLYETHYLENE, STAPETH, ALPETH)  
BY: LALLY, W.J.  
TENTH SYMPOSIUM, 1961 (AD-656162)
- 230 CHEMICALLY CROSS-LINKED POLYETHYLENE, A GENERAL PURPOSE COMPOUND  
(PLASTIC FLOW, STRESS CRACKING)

- BY: LING, T.H.      DATISS, C.J.  
TENTH SYMPOSIUM, 1961 (AD-656163)
- 231 IRRADIATED LIGHT WEIGHT MINIATURE COAXIAL CABLE (POLYOLEFIN, FOAM)  
BY: LANZA, V.L.      HALPERIN, R.M.      WALLACE, P.W.  
TENTH SYMPOSIUM, 1961 (AD-656165)
- 232 A NEW APPROACH TO COMPOUNDING FOR HIGH TEMPERATURE VINYL WIRE INSULATION (PLASTICIZER, STABILIZER)  
BY: FATH, J.      GRILLO, S.G.  
TENTH SYMPOSIUM, 1961 (AD-656164)
- 233 LONG SPAN INSULATED OPEN WIRE TELEPHONE PLANT (TRANSMISSION, STRENGTH POLYETHYLENE)  
BY: ERICSON, H.L.      LEE, H.B.      LOHSL, G.A.  
TENTH SYMPOSIUM, 1961 (AD-656166)
- 234 A DUAL INSULATED TERMINATING CABLE (TELEPHONE, POLYVINYLCHLORIDE)  
BY: WEBSTER, G.H.  
TENTH SYMPOSIUM, 1961 (AD-656167)
- 235 LONGITUDINAL APPLICATION OF INSULATION AND SHIELDS COMMUNICATION CABLES (DISTRIBUTION, POLYETHYLENE, ALUMINUM)  
BY: BUDENBENDER, H.W.  
TENTH SYMPOSIUM, 1961 (AD-656168)
- 236 CELLULAR INSULATION FOR COMMUNICATION CABLE (POLYETHYLENE, TELEPHONE)  
BY: PUSEY, B.B.  
TENTH SYMPOSIUM, 1961 (AD-656169)
- 237 SILICONE INSULATED CABLES FOR NAVAL AND MARINE APPLICATION (FLAME)  
BY: THOMPSON, G.J.  
ELEVENTH SYMPOSIUM, 1962 (AD-656080)
- 238 SOLID POLYPROPYLENE INSULATION FOR WIRE AND CABLE APPLICATIONS  
BY: JOHNSON, G.P.  
ELEVENTH SYMPOSIUM, 1962 (AD-656078)
- 239 ZETAPIN COPOLYMER COMPOSITIONS FOR THE WIRE AND CABLE INDUSTRY (CROSS LINKING, FILLERS, POLYETHYLENE)  
BY: MILNER, R.C.      SMITH, R.F.      VEAZEY, E.W.  
ELEVENTH SYMPOSIUM, 1962 (AD-656067)
- 240 COOLING RATE OF POLYETHYLENE INSULATED WIRE DURING EXTRUSION PROCESS  
BY: GUENTHER, R.P.  
BY: GUENTHER, R.P.      BIGGS, R.D.  
ELEVENTH SYMPOSIUM, 1962 (AD-656077)
- 241 DIFFUSION OF GASES THROUGH POLYETHYLENE CABLE JACKETS  
BY: ALM, C.A.      HILLMAN, R.C.  
ELEVENTH SYMPOSIUM, 1962 (AD-656076)
- 242 A NEW METHOD FOR EXTRUSION AND VULCANIZATION OF QUALITY CABLE SHEATHS  
BY: GOODVINE, D.F.  
ELEVENTH SYMPOSIUM, 1962 (AD-656075)
- 243 HOT LIQUID VULCANIZATION OF SILICONE RUBBER INSULATED WIRE AND CABLE  
BY: NIZINSKI, S.J.  
ELEVENTH SYMPOSIUM, 1962 (AD-656074)
- 244 APPLICATION OF PVC WIRE INSULATION BY FLUIDIZED BED METHODS  
BY: RENKIS, A.I.  
ELEVENTH SYMPOSIUM, 1962 (AD-656060)
- 245 EXTRUDING HIGH DENSITY POLYETHYLENE FOR QUALITY AND SAVINGS  
BY: STILES, E.P.  
ELEVENTH SYMPOSIUM, 1962 (AD-656065)
- 246 THE EFFECTS OF SPACE ENVIRONMENTS ON INSULATION OF TEFLON TFE AND PE

- P RESINS  
 BY: REED, J.C. JOLLEY, C.E.  
 ELEVENTH SYMPOSIUM, 1962 (AD-656064)
- 247 AN ENVIRONMENTAL HIGH PERFORMANCE, RUGGED SILICONE CABLE DESIGN FOR  
 MISSILE APPLICATIONS  
 BY: BLANCK, A.R.  
 ELEVENTH SYMPOSIUM, 1962 (AD-656063)
- 248 IMPROVED GROUND SUPPORT MULTICONDUCTOR CABLES FOR MISSILE SYSTEMS  
 BY: FERRERI, V.M.  
 ELEVENTH SYMPOSIUM, 1962 (AD-656061)
- 249 TRANSIENTS INDUCED IN ELECTRICAL CABLES BY NUCLEAR RADIATION PULSES  
 BY: BORTH, E. BRUEMMER, H.P. SCHLOSSER, W.  
 ELEVENTH SYMPOSIUM, 1962 (AD-6560145)
- 250 NEW DEVELOPMENTS IN THE MANUFACTURE OF COMMUNICATION CABLE AT OMAHA  
 (PIC, POLYETHYLENE, PVC, SWITCHBOARD)  
 BY: JACOBS, H.R. SCHULTZ, M.C. MALLORY, R.D.  
 RAKE, R.W. MYERS, L.W.  
 ELEVENTH SYMPOSIUM, 1962 (AD-656073)
- 251 ENGINEERING AND MATERIAL CONSIDERATIONS IN BURIED PLANT (RODENT, CAP  
 ACITANCE, POLYETHYLENE)  
 BY: BALLARD, C.R. EMMONS, P.M.  
 ELEVENTH SYMPOSIUM, 1962 (AD-656072)
- 252 LIGHTNING PROTECTION FOR UNDERGROUND CABLES (HALL EFFECT, JACKET)  
 BY: LOWE, C.  
 ELEVENTH SYMPOSIUM, 1962 (AD-656071)
- 253 COMMUNICATION CABLES WITH WELDED AND CORRUGATED METALLIC SHEATHS  
 BY: ANDRESEN, K. STEIN, D.R.  
 ELEVENTH SYMPOSIUM, 1962 (AD-656070)
- 254 THE DEVELOPMENT AND APPLICATION OF A PRACTICAL FLAT CABLE AND CONNec  
 TING METHOD (INTERCONNECTION, TERMINATION)  
 BY: ELM, R.A. LEACH, E.E.  
 ELEVENTH SYMPOSIUM, 1962 (AD-656069)
- 255 RESEARCH AND DEVELOPMENT OF HIGH TEMPERATURE, HIGH POWER, RADIO FREQ  
 QUENCY TRANSMISSION LINES FOR 350 AND 825  
 BY: WOODBURY, H.L.  
 ELEVENTH SYMPOSIUM, 1962 (AD-656068)
- 256 THE TRANSMISSION LINE CAPABLE OF CONTINUOUS RADIATION ALONG ITS AXIS  
 BY: MURATA, H.  
 ELEVENTH SYMPOSIUM, 1962 (AD-657829)
- 257 NEW APPROACHES TO LOW LOSS FLEXIBLE COAXIAL CABLE DESIGNS (AIR DIELE  
 CTIC)  
 BY: MANNELA, D.A. POMERANTZ, M.  
 ELEVENTH SYMPOSIUM, 1962 (AD-656067)
- 258 HIGH PERFORMANCE, SMALL DIAMETER CONTROL CABLE  
 BY: GIBSON, A.L.  
 ELEVENTH SYMPOSIUM, 1962 (AD-656081)
- 259 TELEPRENE DROP WIRE WITH NEW SUPER HIGH STRENGTH COPPERWELD WIRE (S,  
 A, GS, BREAKING LOADS)  
 BY: PYLE, R.D. DUDLEY R.H.  
 ELEVENTH SYMPOSIUM, 1962 (AD-656079)
- 260 CELLULAR POLYPROPYLENE INSULATION (AIR DIELECTRIC, EXTRUSION)  
 BY: CONEYS, T.A. WITTER, E.R.  
 TWELFTH SYMPOSIUM, 1963 (AD-656110)

- 261 PROPYLENE BASED COPOLYMERS IN WIRE AND CABLE APPLICATIONS (STABILITY  
 , TEMPERATURE EXTREMES, JACKETS, HOMOPOL)  
 BY: AAMODT, N.D. GUTEKUNST, R.W.  
 TWELFTH SYMPOSIUM, 1963 (AD-656110)
- 262 TERMINAL WIRING DEVICES (CONNECTIONS, SOLDERLESS, TOOLS)  
 BY: RUDOLPH, D.B. HAMMELL, K.M.  
 TWELFTH SYMPOSIUM, 1963 (AD-656110)
- 263 A NEW DEVELOPMENT FOR MONITORING PRESSURIZED CABLE PLANT (ALARM)  
 BY: WOLFF, J.H. COHEN, E. GOLDSTINE, H.  
 TWELFTH SYMPOSIUM, 1963 (AD-656110)
- 264 THE SIGNIFICANCE OF ACCELERATED AGING TESTING OF RUBBER INSULATION  
 BY: LING, T.H.  
 TWELFTH SYMPOSIUM, 1963 (AD-656110)
- 265 EVALUATING CHEMICALLY CROSSLINKED POLYETHYLENES  
 BY: MARTENS, S.C.  
 TWELFTH SYMPOSIUM, 1963 (AD-656110)
- 266 INTERMEDIATE AND LOW DENSITY, LOW PRESSURE POLYETHYLENES-THEIR PROPE  
 RTIES AND THEIR APPLICATIONS IN THE WIRE  
 BY: HOUSTON, A.J. MORRO, H.A.B. O'BRIEN, E.T.  
 TWELFTH SYMPOSIUM, 1963 (AD-656108)
- 267 THE EFFECT OF DIE LAND LENGTH ON THE SURFACE APPEARANCE OF LOW MELT  
 INDEX POLYETHYLENE EXTRUDATES  
 BY: DURND, J.A. KING, J.S.  
 TWELFTH SYMPOSIUM, 1963 (AD-656118)
- 268 HIGH SPEED BAND MARKING OF INSULATED CONDUCTORS (COLOR CODING)  
 BY: LEHNERT, G.  
 TWELFTH SYMPOSIUM, 1963 (AD-656119)
- 269 A FOAM POLYETHYLENE INSULATED COAXIAL CABLE FOR DIRECT BURIAL ON COM  
 MUNITY TV SYSTEMS  
 BY: BEAMISH, W.R.  
 TWELFTH SYMPOSIUM, 1963 (AD-656120)
- 270 RECENT DEVELOPMENT IN SMALL CORE COAXIAL CABLE (EXPANDED POLYSTYRENE)  
 BY: FORD, S.G.  
 TWELFTH SYMPOSIUM, 1963 (AD-656100)
- 271 EXAMPLES OF EFFECT OF DIMENSIONAL VARIATIONS ON ELECTRICAL PROPERTIES  
 OF COAXIAL CABLES  
 BY: RODRIGUEZ, G. HARDGRAVE, T.W.  
 TWELFTH SYMPOSIUM, 1963 (AD-656099)
- 272 EXTRA FLEXIBLE COAXIAL CABLE (LOW TEMPERATURE, BEND TESTS)  
 BY: LICHTENSTEIN, D.  
 TWELFTH SYMPOSIUM, 1963 (AD-656188)
- 273 THE MODIFICATION OF BUTYL RUBBER WITH POLYETHYLENE FOR WIRE AND CABL  
 E (OZONE, VULCANIZATION, AGING, CURING)  
 BY: DANIC, J.J. EDWARDS, D.C. WALKER, J.  
 TWELFTH SYMPOSIUM, 1963 (AD-656102)
- 274 ENVIRONMENTAL SEALING OF CONNECTORS OF MILITARY CABLES  
 BY: VOIDA, G.  
 TWELFTH SYMPOSIUM, 1963 (AD-6560)
- 275 WIRE AND CABLE INSULATION PROBLEMS OF SPACE VEHICLES (ENVIRONMENT,  
 IRRADIATION, THERMAL)  
 BY: WALKER, L.D.  
 TWELFTH SYMPOSIUM, 1963 (AD-656096)
- 276 FLAME-RETARDANT VULCANIZABLE POLYETHYLENE - A NEW ENGINEERING MATERI  
 AL (AGING, EXTRUSION)  
 BY: DOUGHERTY, G.L.  
 TWELFTH SYMPOSIUM, 1963 (AD-656103)
- 277 POLYPROPYLENE CABLE WRAPS (FILM, ABRASION, HEAT, PLASTIC)  
 BY: CONEYS, T.A. WILBENS, R.L.

- 278 TWELFTH SYMPOSIUM, 1963 (AD-656105)  
ADHESIVE THERMOPLASTIC COPOLYMERS FOR THE WIRE AND CABLE INDUSTRY  
(BOND, CORROSION, JOINTS)  
BY: CLOCK, G.E. KLUMB, G.A. MILDNER, R.C.
- 279 TWELFTH SYMPOSIUM, 1963 (AD-656104)  
THE ELECTRICAL CONDUCTANCE OF CARBON BLACK (RESISTIVITY, PARTICLES)  
BY: VOET, A.
- 290 TWELFTH SYMPOSIUM, 1963 (AD-656094)  
THE CHARACTERISTICS OF KYNAR POLYVINYLIDENE FLUORIDE AS AN INSULATING  
MATERIAL (RADIATION, HOMOPOLYMER)  
BY: DUKERT, A.A. HALL, N.T.
- 281 TWELFTH SYMPOSIUM, 1963 (AD-656107)  
POLYESTER FILM LAMINATES FOR WIRE INSULATION  
BY: GORE, W.L. MARTZ, R.E.
- 292 TWELFTH SYMPOSIUM, 1963 (AD-656106)  
TOUGHER WIRE JACKETS OF NYLON  
BY: BONNER, R.M. KJELLMARK, E.W. JR. SHAW, R.E.
- 283 TWELFTH SYMPOSIUM, 1963 (AD-656117)  
ETHYLENE PROPYLENE COPOLYMER PROVIDES A VERSATILE AND STABLE INSULATION  
BY: SMITH, W.C. FISCHER, W.F. NEWMAN, N.F.
- 284 TWELFTH SYMPOSIUM, 1963 (AD-656109)  
THE DESIGN AND DEVELOPMENT OF WIRE INSULATIONS FOR USE IN THE ENVIRONMEN  
NT OF OUTER SPACE (WEIGHT, RADIATION)  
BY: LANZA, V.L. HALPERIN, R.M.
- 235 TWELFTH SYMPOSIUM, 1963 (AD-656095)  
GSE CABLE-FACT AND FICTION (MISSILE, MULTICONDUCTOR, FLEXIBILITY)  
BY: PATTERSON, A.K. PORTER, J.M.
- 236 TWELFTH SYMPOSIUM, 1963 (AD-656101)
- 236 HIGH-STRENGTH ALLOY CONDUCTORS (FLEXIBILITY)  
BY: SCHUH, A.G. PENKACIK, J.
- 287 THIRTEENTH SYMPOSIUM, 1964 (AD-458867)  
REACTION OF SILICONE PROTECTED CABLES TO HUMIDITY ENVIRONMENTS  
BY: HOLSTEIN, S.H.
- 238 THIRTEENTH SYMPOSIUM, 1964 (AD-458557)  
ACCUMULATION OF MOISTURE IN PLASTIC SHEATHED CABLES (BURIAL)  
BY: HLADIK, A.M.
- 289 THIRTEENTH SYMPOSIUM, 1964 (AD-458550)  
CABLE ASSEMBLY STANDARDIZATION - DO'S, DON'TS, AND HOW'S (RELIABILIT  
Y)  
BY: HAYDEN, R.D. MAGER, A.H.
- 290 THIRTEENTH SYMPOSIUM, 1964 (AD-458505)  
NEW IMPROVED POLYOLEFIN WIRE AND CABLE RESINS (PLASTIC, HIGH DENSITY)  
BY: MARTINOVICH, R.J. PRITCHARD, J.E. SCOTT, J.N.
- 291 THIRTEENTH SYMPOSIUM, 1964 (AD-656525)  
THE ELECTRICAL CHARACTERISTICS OF SOME RESISTIVE PLASTICS FOR THE WI  
RE AND CABLE INDUSTRY (CARBON BLACK)  
BY: MILDNER, R.C. WOODLAND, P.C.
- 232 THIRTEENTH SYMPOSIUM, 1964 (AD-458551)  
PROGRESS IN THE USE OF ELECTROFILM POLYPROPYLENE CORE WRAPS IN CABLE  
CONSTRUCTION (LAMINATES, TAPES)  
BY: CHRISTIANSEN, R. JEHAN, H. SLATIN, A.
- THIRTEENTH SYMPOSIUM, 1964 (AD-458587)

- 293 DIMENSIONALLY EXPANDED FILM - A NEW APPROACH FOR CABLE CORE WRAP  
BY: ROBERTS, W.L. BURCH, P.F.  
THIRTEENTH SYMPOSIUM, 1964 (AD-458966)
- 294 A MATHEMATICAL COMPARISON OF THERMAL BARRIER PROPERTIES OF VARIOUS C  
ABLE COPE INSULATION TAPES (HEAT TRANSFER)  
BY: MUELLER, A.C. PALMER, C.D.  
THIRTEENTH SYMPOSIUM, 1964 (AD-458579)
- 295 EFFECT OF EXTRUSION PROCESSING ON ENVIRONMENTAL STRESS CRACKING RESI  
STANCE OF POLYETHYLENE SHEATHING COMPOUND  
BY: APEN, J.R.  
THIRTEENTH SYMPOSIUM, 1964 (AD-458569)
- 296 HOW TO IMPROVE WIRE QUALITY AND INCREASE EQUIPMENT UTILIZATION (EXTR  
USION, DIAMETER CONTROL)  
BY: HUTCHINS, W.C.  
THIRTEENTH SYMPOSIUM, 1964 (AD-458591)
- 297 INDIVIDUAL CABLE IDENTIFICATION BY A THERMAL COLOR TRANSITION METHOD  
BY: WARD, F.  
THIRTEENTH SYMPOSIUM, 1964 (AD-458868)
- 298 THE USE OF HEAT SHRINKABLE SILICONE RUBBER ON CABLES AND CABLE ASSEM  
BLIES  
BY: MAKONECHNY, M. WEYER, D.E. WEHMUELLER, G.L.  
THIRTEENTH SYMPOSIUM, 1964 (AD-458526)
- 299 SOME EFFECTS OF WIRE PRE-HEAT AND COOLING VARIABLES ON THE PROPERTIE  
S OF POLYETHYLENE INSULATION ON TELEPHONE CABLES  
BY: COX, W.J.  
THIRTEENTH SYMPOSIUM, 1964 (AD-458576)
- 300 A RADIATION CROSS-LINKED POLYALKENE POLYVINYLIDENE FLUORIDE GENERAL  
PURPOSE WIRE  
BY: LANZA, V.L. HALPERIN, R.M.  
THIRTEENTH SYMPOSIUM, 1964 (AD-458589)
- 301 TEFLON-PYREX WIRE INSULATION SYSTEM (HOOKUP, HIGH TEMPERATURE)  
BY: LEARN, J.R. SEEGERS, M.P.  
THIRTEENTH SYMPOSIUM, 1964 (AD-458555)
- 302 PROPERTIES OF VARIOUS WIRE AND CABLE CONSTRUCTIONS INSULATED WITH H-  
FILM (HOOKUP, HIGH TEMPERATURE, RADIATION)  
BY: LA SALA, J.I. GREYSON, W.L.  
THIRTEENTH SYMPOSIUM, 1964 (AD-458588)
- 303 MODERN SILICONE COMPOUNDS ANSWER THE CHALLENGES OF INDUSTRY (RUBBER)  
BY: NOBLE, M.G. SAVAGE, R.M.  
THIRTEENTH SYMPOSIUM, 1964 (AD-458580)
- 304 A SECOND LOOK AT FOAMED DIELECTRICS FOR MICROWAVE USE (COAXIAL)  
BY: POMERANTZ, M. MAYO, W.E.  
THIRTEENTH SYMPOSIUM, 1964 (AD-458581)
- 305 APPARENT ERRORS IN THE MEASUREMENT OF MUTUAL CAPACITANCE ON LONGER L  
ENGTHS OF CABLE PAIR AT 1000 CPS  
BY: BUSCEMI, J.V. WIDMER, A.E.  
THIRTEENTH SYMPOSIUM, 1964 (AD-458847)
- 306 AN AIRLAYABLE 60 CHANNEL COMMUNICATION CABLE (COAXIAL)  
BY: BENDAMAN, J. JOCTEUR, R.  
THIRTEENTH SYMPOSIUM, 1964 (AD-458578)
- 307 THE CRYSTALLINE CHARACTERISTICS OF COAXIAL CABLES SHIELDED WITH ELECTR  
OMAGNETICALLY ANISOTROPIC METALLIC LAYERS  
BY: KUMAMARU, H.  
THIRTEENTH SYMPOSIUM, 1964 (AD-458848)
- 308 RECENT IMPROVEMENTS IN METHODS OF MEASURING DIELECTRIC CONSTANT AND  
LOSS CHARACTERISTICS OF POLYETHYLENES FOR CABLES  
BY: HAZEN, T.  
THIRTEENTH SYMPOSIUM, 1964 (AD-458590)



- 309 PLACING METHODS FOR SELF SUPPORTING CABLE (AERIAL INSTALLATION)  
BY: NEWBURGER, J.A.  
THIRTEENTH SYMPOSIUM, 1964 (AD-458269)
- 310 FAILURE MECHANISMS IN GROUND SUPPORT CABLES (MECHANICAL TESTS)  
BY: SCHWARTZ, A.M.  
THIRTEENTH SYMPOSIUM, 1964 (AD-458549)
- 311 A NEW SOLDERLESS FLAT CABLE-TO-CIRCUIT BOARD CONNECTOR  
BY: MCCULLOUGH, R.W.  
FOURTEENTH SYMPOSIUM, 1965 (AD-479558)
- 312 FLAT CABLES FOR LIGHTWEIGHT INTERCONNECTIONS (FLEXING, VIBRATION)  
BY: GODWIN, E.F. REILLY, G.J.  
FOURTEENTH SYMPOSIUM, 1965 (AD-478970)
- 313 CHLORINATED POLYETHYLENE IN WIRE AND CABLE APPLICATIONS (JACKETS)  
BY: CARMICHAEL, G.N. SHANNON, J.A. CSASZAR, F.C.  
CUMMINGS, H.D.  
FOURTEENTH SYMPOSIUM, 1965 (AD-479559)
- 314 POLYSULFONE FOR WIRE AND CABLE (EXTRUSION, PLASTICS)  
BY: HELBLING, J.J.  
FOURTEENTH SYMPOSIUM, 1965 (AD-479565)
- 315 RECENT DEVELOPMENTS IN ETHYLENE-PROPYLENE POLYMERS FOR WIRE AND CABLE APPLICATIONS (JACKETS, EXTRUSION)  
BY: SMITH, W.C. NEWMAN, N.F.  
FOURTEENTH SYMPOSIUM, 1965 (AD-479563)
- 316 A NOVEL FORM OF THERMAL BARRIER FOR COMMUNICATION CABLES (JACKETS)  
BY: MILDNER, R.C. WOODLAND, P.C. WALTERS, M.A.  
CLOCK, G.E.  
FOURTEENTH SYMPOSIUM, 1965 (AD-479561)
- 317 KAPTON POLYIMIDE FILM TYPE HF - A THIN, SMALL HIGH TEMPERATURE INSULATION FOR WIRE AND CABLE  
BY: LEWIS, L.L.  
FOURTEENTH SYMPOSIUM, 1965 (AD-479578)
- 318 LIGHTNING PROTECTION OF BURIED CABLE BY SEMI-CONDUCTING JACKETS  
BY: CAMPBELL, H.D.  
FOURTEENTH SYMPOSIUM, 1965 (AD-4795)
- 319 OCEAN WATER SENSING SYSTEM (BUOY, JACKET)  
BY: ZYSK, S. BORG, T.E.  
FOURTEENTH SYMPOSIUM, 1965 (AD-479577)
- 320 PERFORMANCE OF SPACE CRAFT WIRE IN AN OXYGEN ATMOSPHERE (FLAMMABILITY HOOKUP, HIGH TEMPERATURE)  
BY: MATHES, K.N. FRISCO, L.J.  
FOURTEENTH SYMPOSIUM, 1965 (AD-479568)
- 321 EUROPA CABLE (COAXIAL, AIRDIELECTRIC, BALLOON)  
BY: FUCHS, G. VERGES, P.  
FOURTEENTH SYMPOSIUM, 1965 (AD-656113)
- 322 SUPERCONDUCTING HIGH VOLTAGE DELAY LINE (COAXIAL, CRYOGENIC)  
BY: KUETTNER, H. CUMMINGS, A.J.  
FOURTEENTH SYMPOSIUM, 1965 (AD-479570)
- 323 A BASIC CONSTRUCTION FOR FLEXIBLE HIGH TEMPERATURE (1000F) INTERCONNECTING CABLE  
BY: CLEMENTS, E.F. WADDY, G.H.  
FOURTEENTH SYMPOSIUM, 1965 (AD-479573)
- 324 PHASE STABILITY OF TYPICAL NAVY RF COAXIAL CABLES  
BY: RODRIQUEZ, G.

- 325 FOURTEENTH SYMPOSIUM, 1965 (AD-628682)  
INVESTIGATION OF METHODS TO REDUCE ANIMAL DAMAGE TO WIRE AND CABLE  
BY: TIGNER, J.R. BOWLES, W.A., JR.  
FOURTEENTH SYMPOSIUM, 1965 (AD-479274)
- 326 METHOD OF JOINTING PLASTICS SHEATHED CABLE WITH ELECTRIC HEATING WIRE  
BY: ISHIKAWA, H. NAGATA, K.  
FOURTEENTH SYMPOSIUM, 1965 (AD-479575)
- 327 COMPRESSIBLE FLOW IN PRESSURIZED COMMUNICATION CABLES (FLUIDS)  
BY: ROACH, R.T. HERRING, J.S.  
FOURTEENTH SYMPOSIUM, 1965 (AD-479564)
- 328 CONTROLLING POLYETHYLENE INSULATED WIRE CAPACITANCE (TELEPHONE)  
BY: HARTMAN, A.E.  
FOURTEENTH SYMPOSIUM, 1965 (AD-479572)
- 329 PROCESSING VARIABLES AND THEIR EFFECT ON THE FINAL PROPERTIES OF POLYETHYLENE CABLE JACKETS (EXTRUSION)  
BY: SEEKS, R.L. SANDERS, C.C.  
FOURTEENTH SYMPOSIUM, 1965 (AD-479562)
- 330 TAILORING HIGH DENSITY POLYETHYLENE FOR HIGH SPEED WIRE COATING  
BY: SCOTT, J.N. LESLIE, C.F. LEVETT, C.T.  
HOGAN, J.P.  
FOURTEENTH SYMPOSIUM, 1965 (AD-479567)
- 331 CLAD METALS IN CABLE CONSTRUCTION (CONDUCTORS)  
BY: PARKER, G.H.  
FOURTEENTH SYMPOSIUM, 1965 (AD-479571)
- 332 PROBLEMS WITH ELECTRICAL CONNECTORS AND INSULATED WIRES IN THE AEROSPACE INDUSTRIES (HARNESSES, WIRE MARKING)  
BY: SWAN, H.S. DAVIS, J.M.  
FOURTEENTH SYMPOSIUM, 1965 (AD-479566)
- 333 NEW CABLE CONNECTOR DESIGN LOWERS COST OF MILITARY ASSEMBLY PROCESSES (SOLDERING, WELDING, CRIMPING)  
BY: KELLER, J.O.  
FOURTEENTH SYMPOSIUM, 1965 (AD-479557)
- 334 PROBLEMS AND SOLUTIONS IN THE FABRICATION OF H-FILM (KAPTON) FLEXIBLE CIRCUITS (POLYIMIDE)  
BY: DAVIS, H.T.  
FOURTEENTH SYMPOSIUM, 1965 (AD-479560)
- 335 DESIGN OF PLATED COAXIAL CABLE (LEAKAGE, SHIELDING, GROOVED DIELECTRIC, STABILITY)  
BY: BROWN, W.R.J. KOMACK, R.L.  
FIFTEENTH SYMPOSIUM, 1966 (AD-646529)
- 336 MOISTURE PERMEATION AND ITS EFFECT IN COMMUNICATION CABLE (SHEATH, VAPOR PRESSURE, AIRFLOW)  
BY: FRIESEN, H.W. WINDELER, A.S.  
FIFTEENTH SYMPOSIUM, 1966 (AD-646528)
- 337 A SILICONE RUBBER SUITABLE FOR COAXIAL CABLE (HIGH TEMPERATURE, FLEXIBILITY)  
BY: GAFSHICK, A.  
FIFTEENTH SYMPOSIUM, 1966 (AD-646540)
- 338 HIGH VOLTAGE UNDERWATER CABLE FOR TORPEDO PROPULSION (DRAG FORCES, RELIABILITY)  
BY: COX, W.R. BLYTHE, J.W.  
FIFTEENTH SYMPOSIUM, 1966 (AD-646532)
- 339 A TANDEM WIRE DRAWING AND INSULATING LINE

- BY: BATENBURY, B. BAUER, C.R.  
FIFTEENTH SYMPOSIUM, 1966 (AD-546546)  
340 NEW COATING PROCESS FOR FOAMED POLYETHYLENE INSULATED TELEPHONE CABLE (SOLUTION COATING, LIQUID FOAMING)  
BY: SUGI, M. KAWOZOE, C. ICHIBA, T.  
SUZUKI, T. SHINBA, H. IWAKURA, S.  
FIFTEENTH SYMPOSIUM, 1966 (AD-646542)  
341 THE EVOLUTION OF SHEATH CONSTRUCTIONS FOR COMMUNICATIONS CABLE (BODDED JACKETS, LAMINATES, SPLICING)  
BY: MILDNER, R.C. ROPP, W.E. SNOW, J.H.  
FIFTEENTH SYMPOSIUM, 1966 (AD-646537)  
342 APPLICATION OF WELDED THIN METAL IN NEW COMMUNICATION CABLE DESIGN  
BY: BUNSBY, J.D.A. MARRIN, L.E. LEHNERT, G.  
MCBRIDE, J.V. STEIN, D.R.  
FIFTEENTH SYMPOSIUM, 1966 (AD-646538)  
343 THREE TYPES OF CABLE SHEATH PRODUCED BY HIGH FREQUENCY WELDING (BUTT-WELD, LAP-WELD, RESISTANCE-WELD, CORRUGATED-WELD)  
BY: RUDD, W.C.  
FIFTEENTH SYMPOSIUM, 1966 (AD-646544)  
344 FLAT CONDUCTOR CABLE MANUFACTURE AND INSTALLATION TECHNIQUES (TERMINATIONS, SHIELDING)  
BY: ANGELE, W.  
FIFTEENTH SYMPOSIUM, 1966 (AD-646533)  
345 DESIGN AND MANUFACTURE OF PLASTIC INSULATED ALUMINUM CONDUCTOR TELEPHONE CABLE (SHEATHING, JOINING, DRAWING)  
BY: HORN, F.W. BLEINBERGER, W.E.  
FIFTEENTH SYMPOSIUM, 1966 (AD-646541)  
346 NEW DEVELOPMENTS IN CLAD METAL WIRE AND SHIELDING (ALLOY JOINING)  
BY: FRIEDMAN, H.H. RONAN, J.J.  
FIFTEENTH SYMPOSIUM, 1966 (AD-646525)  
347 EFFECT OF POST GEOMETRY ON SOLDERLESS WRAPPED TERMINATION PERFORMANCE  
BY: AJRIANA, M.  
FIFTEENTH SYMPOSIUM, 1966 (AD-646524)  
348 SIMULATION OF 1 PERCENT MINIMUM CROSSTALK LOSSES AT VOICE FREQUENCY IN A PAIR CABLE BY MEANS OF A LUMPED PARAMETER  
BY: AVIV, D.G. LANDIS, M.  
FIFTEENTH SYMPOSIUM, 1966 (AD-634182)  
349 AUTOMATIC TESTING SYSTEM FOR MULTIPAIR TELEPHONE CABLES  
BY: RIPATTI, E. HOFHEIMER, H.  
FIFTEENTH SYMPOSIUM, 1966 (AD-646534)  
350 MEASURING PERFORMANCE OF AN 3-INCH CABLE SHEATHING EXTRUDER (SCREW)  
BY: BARNETT, R.D. MALLORY, R.D. MARSHALL, D.I.  
KLEIN, I.  
FIFTEENTH SYMPOSIUM, 1966 (AD-646526)  
351 EFFECT OF EXTRUDER TEMPERATURE PROFILES ON STRESS CRACK RESISTANCE OF A POLYETHYLENE SHEATHING COMPOUND  
BY: APEN, J.R. PACOWICZ, H.N.  
FIFTEENTH SYMPOSIUM, 1966 (AD-646527)  
352 THERMAL STABILITY OF CHEMICALLY CROSSLINKED POLYETHYLENE (DISPERSION)  
BY: BLUESTEIN, A.C. HENDERSON, J.C.  
FIFTEENTH SYMPOSIUM, 1966 (AD-646549)  
353 WATER STABILITY OF FILLED ELASTOMERS (BUTYL, RESISTIVITY, POWER LOSS)  
BY: SHIGA, T. HIRUTANI, M.  
FIFTEENTH SYMPOSIUM, 1966 (AD-646539)  
354 DEGREE AND RATE OF CROSSLINKING OF CROSSLINKED POLYETHYLENE (MOLECULAR WEIGHT, DENSITY, SWELLING)

- BY: OKADA, M.  
FIFTEENTH SYMPOSIUM, 1966 (AD-646531)
- 355 LOW MODULUS MATERIALS FOR COAXIAL CABLE (BLENDS, JACKETS, POLYMERS)  
BY: KELL, R.M. BENNETT, B. STICKNEY, P.S.  
FIFTEENTH SYMPOSIUM, 1966 (AD-646530)
- 356 SOLUTION POLYMERIZED BUTADIENE STYRENE RUBBERS FOR WIRE AND CABLE AP  
PLICATIONS  
BY: SVETLIK, J.F. ROSS, E.F. DEARMONT, D.D.  
FIFTEENTH SYMPOSIUM, 1966 (AD-646535)
- 357 REVIEW OF POLYOLEFIN TEST REQUIREMENTS IN WIRE AND CABLE SPECIFICATI  
ON  
BY: MARTINOVICH, R.J. LESLIE, C.F.  
FIFTEENTH SYMPOSIUM, 1966 (AD-646547)
- 358 UNDERWATER DEGRADATION OF POLYETHYLENE FOR WIRE INSULATION (CROSS-LI  
NKING, OXIDATION, PERMEABILITY)  
BY: YOSHIDA, T. HASEBE, M. FUKUDA, T.  
FIFTEENTH SYMPOSIUM, 1966 (AD-646545)
- 359 CABLE INSULATION THERMAL LIFE STUDIES (AGING, WEIGHT LOSS)  
BY: HALPERN, E.H. ORTGIES, H.S.  
FIFTEENTH SYMPOSIUM, 1966 (AD-646548)
- 360 METHOD OF DETERMINING COMPARATIVE SHIELDING EFFECTIVENESS OF CABLES,  
DUCT, AND CONDUIT (LEAKAGE, RADIATION)  
BY: LONG, G.A.  
FIFTEENTH SYMPOSIUM, 1966 (AD-646549)
- 361 PROTECTION OF TELEPHONE CABLES FROM ATTACK BY INSECTS (TERMITE, SOIL  
TREATMENT, DAMAGE)  
BY: PLATAU, G.  
FIFTEENTH SYMPOSIUM, 1966 (AD-646543)
- 362 PROTECTION OF GEOPHYSICAL COMMUNICATION AND POWER TRANSMISSION CABLE  
AGAINST RODENT SPECIES ATTACK BY R-55 R  
BY: STANSBURY, R.E. MAILEN, T.H.  
FIFTEENTH SYMPOSIUM, 1966 (AD-646536)
- 363 TERMINATING WIRE TO MICRO-MINIATURE CONNECTORS (RELIABLE, SOLDER SLE  
EVES, HEAT SHRINKABLE)  
BY: SCARBOROUGH, J.S.  
SIXTEENTH SYMPOSIUM, 1967 (AD-662155)
- 364 DIE CAST AND MECHANICAL THERMAL PULSE TERMINATION TECHNIQUES (SHIELD  
ED CABLES, RIBBON CABLE, INSULATED CABLE)  
BY: CUSHMAN, R.H.  
SIXTEENTH SYMPOSIUM, 1967 (AD-659892)
- 365 INTERCONNECTION OF FLAT CABLE TO WIRE, FLEXIBLE CIRCUITRY PRINTED CI  
RCUIT BOARDS, AND OTHER FLAT CABLES  
BY: GAMMEL, W.A.  
SIXTEENTH SYMPOSIUM, 1967 (AD-660889)
- 366 THE HARNESS SYSTEM APPROACH TO FLAT WIRING (INTERCONNECTIONS, RELIAB  
ILITY, TERMINATION)  
BY: COBBAN, R.F.  
SIXTEENTH SYMPOSIUM, 1967 (AD-660956)
- 367 AN INTEGRATED TERMINATION SYSTEM (COMPONENT TERMINATION, SERVICEABIL  
ITY, RELIABILITY, SIMPLICITY)  
BY: LAWRENCE, R.  
SIXTEENTH SYMPOSIUM, 1967 (AD-659939)
- 368 THERM TIC SEALS IN PLASTIC BODIED CONNECTORS (CERAMIC DIELECTRICS, HI

- GH TEMPERATURE, COPPER-ALLOY CONTACTS)  
 BY: JOHNSON, E.  
 SIXTEENTH SYMPOSIUM, 1967 (AD-659676)
- 369 NEEDED - A STANDARD TEST FOR EVALUATING THE FUNGUS RESISTANCE OF WIRE AND CABLE (SURFACE RESISTANCE)  
 BY: NICODEMUS, P.O.  
 SIXTEENTH SYMPOSIUM, 1967 (AD-660250)
- 370 RODENT REPELLENT CABLE COATING DEVELOPMENT (TELEPHONE CABLE, WF-16, ORGANIC-METALLIC COMPONENTS)  
 BY: TIGNER, J.R. ANTHONY, C.  
 SIXTEENTH SYMPOSIUM, 1967 (AD-660525)
- 371 WIRE COMMUNICATION IN SOUTH VIETNAM (SEA ENVIRONMENT, TROPICAL CLIMATE, TELEPHONE CABLE CONSTRUCTION)  
 BY: SPERGEL, J.  
 SIXTEENTH SYMPOSIUM, 1967 (AD-837406L)
- 372 A NEW STRANDING METHOD FOR MAKING LAY-REVERSED TELEPHONE CABLES (WIRE SPEED, HIGH DENSITY POLYETHYLENE)  
 BY: SUGI, M. KUMAMARU, H. WADA, J.  
 MIZOI, E.  
 SIXTEENTH SYMPOSIUM, 1967 (AD-659545)
- 373 EXTRUSION OF CELLULAR POLYETHYLENE INSULATION (PRE-FOAMING, CAPACITY UNIFORMITY, MELT-TEMPERATURE)  
 BY: LONEY, C.L. DAUES, G.W.  
 SIXTEENTH SYMPOSIUM, 1967 (AD-660094)
- 374 AN OPERATING EVALUATION OF VARICUS 8-IN EXTRUDER SCREWS USING AN INFRARED THERMOMETER (CAPACITY, UNIFORMITY)  
 BY: BECK, W.B. DEBOD, R.V.  
 SIXTEENTH SYMPOSIUM, 1967 (AD-661401)
- 375 A NEW METHOD FOR MAKING IMPROVED COMMUNICATIONS CABLE (ADHESIVE COPOLYMERS, AQUEOUS SYSTEM)  
 BY: FISCHER, E.J. WHEELWRIGHT, W.L.  
 SIXTEENTH SYMPOSIUM, 1967 (AD-661189)
- 376 TENSILE PROPERTIES OF PLASTICIZED PVC AS A FUNCTION OF PROCESSING HIGH TEMPERATURE (105 C), MILLING, MANUFACTURING  
 BY: BIAS, C.D. COAKER, A.W.M. HINCEN, J.D.  
 SIXTEENTH SYMPOSIUM, 1967 (AD-661402)
- 377 PRINTING WIRE INSULATED WITH "KAPTON" POLYIMIDE FILM (HOT STAMP PRINTING)  
 BY: DAVEY, H.R. GUPERMAN, C.  
 SIXTEENTH SYMPOSIUM, 1967 (AD-661062)
- 378 A FLEXIBLE, HIGH-STRENGTH TELEPHONE CABLE FOR MILITARY PURPOSES (MULTI-CHANNEL, BEND-RESISTANT, WEIGHT)  
 BY: VAN GOUDDEMER, H.  
 SIXTEENTH SYMPOSIUM, 1967 (AD-660077)
- 379 FLAME-RETARDANT, CROSS-LINKED POLYETHYLENE FOR WIRE AND CABLE  
 BY: YOSHIDA, T. NAKAYAMA, R. KUHARA, T.  
 SIXTEENTH SYMPOSIUM, 1967 (AD-659412)
- 380 SLEEVE JOINTS FOR POLYETHYLENE SHEATHED COMMUNICATIONS CABLES (CONDUIT, BURIED CABLE, AERIAL CABLE)  
 BY: MARTIN, H.E.  
 SIXTEENTH SYMPOSIUM, 1967 (AD-659677)
- 381 THE EVOLUTION OF AN IMPROVED SHEATH DESIGN FOR TERMINATING CABLE (ALUMINUM FATIGUE, FLEXURE, PVC JACKET)  
 BY: PURKETT, W. DAMBIAK, M.R.  
 SIXTEENTH SYMPOSIUM, 1967 (AD-659544)
- 382 ALL PLASTIC TELEPHONE DROP WIRE, (MECHANICAL STRENGTH, PVC COPPER/STEEL CONDUCTOR, WEATHERABILITY)  
 BY: PUSEY, B.R.

- SIXTEENTH SYMPOSIUM, 1967 (AD-659678)  
 383 A NEW CABLE WRAP WITH IMPROVED THERMAL BARRIER PROPERTIES (CORE WRAP  
 S, POLYPROPYLENE FILM, POLYESTER  
 BY: GRAIL, T.J. CASEY, J.M.  
 SIXTEENTH SYMPOSIUM, 1967 (AD-660526)  
 384 SIMPLIFIED DETERMINATION OF LOW FREQUENCY MUTUAL CAPACITANCE OF LONG  
 LENGTH TELEPHONE CABLE (ELECTRI  
 BY: FRISCH, R.A. KOLODNY, I. OLSZEWSKI, J.A.  
 SIXTEENTH SYMPOSIUM, 1967 (AD-660891)  
 385 COMPARISON OF IMPULSE AND 3 KILCHERTZ SINE WAVE SPARK TESTING (DIELE  
 CTRIC TESTS, VOLTAGE STRESS, I  
 BY: CLINTON, H.H. STEWART, T.W.  
 SIXTEENTH SYMPOSIUM, 1967 (AD-660225)  
 386 DESIGN AND EVALUATION OF TACTICAL CABLES (RELIABILITY, CABLE MATERIA  
 LS, REDUCED BULK, TEST METHODS  
 BY: GODWIN, E.F. RIGLING, W.S.  
 SIXTEENTH SYMPOSIUM, 1967 (AD-661646)  
 387 STRESS DURING INHAUL AND OPTIMUM PAYOUT RATES FOR OCEANOGRAPHIC WIRE  
 USED ON COAST GUARD STATION VESSEL  
 BY: MC GARY, J.W.  
 SIXTEENTH SYMPOSIUM, 1967 (AD-659506)
- ANALYSIS OF STRUCTURAL RETURN LOSS IN CATV COAXIAL CABLE (DISCONTINU  
 ITY, REFLECTION, MEASURING  
 BY: LUBARS, H. OLSZEWSKI, J.A.  
 SEVENTEENTH SYMPOSIUM, 1968 (AD-678552)  
 388 NEW COAXIAL CABLE AND MANUFACTURING METHOD (POLYETHYLENE KNOBS, POLY  
 ETHYLENE LAYER, IMPEDANCE, ELECT  
 BY: MAGD, A. GOTO, T.  
 SEVENTEENTH SYMPOSIUM, 1968 (AD-676236)  
 390 PCM CABLE ASSEMBLY CV-11230(1)/G FOR THE ARMY AREA COMMUNICATION SYST  
 EM (SHIELDING, HIGH STRENGTH, LO  
 BY: POMERANTZ, M.  
 SEVENTEENTH SYMPOSIUM, 1968 (AD-675412)  
 391 COMPREHENSIVE TESTING OF GROUND SUPPORT TACTICAL CABLES (BEND, ELECT  
 RICAL, MECHANICAL, ABRASION, I  
 BY: GEORGE, E.D.  
 SEVENTEENTH SYMPOSIUM, 1968 (AD-678237)  
 392 LIGHTNING SHIELDING OF PLASTIC TELEPHONE CABLES (STEEL, SURGE CHARAC  
 TERISTICS, BURIED TELEPHONE  
 BY: FISHER, T.L. ROBINSON, E.A. BISHOP, W.F.  
 SEVENTEENTH SYMPOSIUM, 1968 (AD-675501)  
 393 CORROSION EVALUATION OF SHIELDING MATERIALS FOR DIRECT BURIAL TELEPH  
 ONE CABLES (PLASTIC COATED METAL  
 BY: LUNSL, G.A. ROMANOFF, M.  
 SEVENTEENTH SYMPOSIUM, 1968 (AD-677521)  
 394 A STUDY OF THE EFFECT OF TIME, TEMPERATURES, AND MOISTURE ON BONDED  
 INTERFACES IN BONDED JACKET CABLE CO  
 BY: ROPP, H.E. MCGAUGH, K.C. FRANK, H.G.  
 SEVENTEENTH SYMPOSIUM, 1968 (AD-675825)  
 395 CREEP BEHAVIOR OF CROSSLINKED POLYETHYLENE (GEL CONTENT, ANTIOXIDANT  
 EFFECTIVENESS, SWELLING R  
 BY: KUCKTU, G.W. LORAND, G.E. NORTH, J.A.  
 SEVENTEENTH SYMPOSIUM, 1968 (AD-677822)

- 396 SILICONE RUBBER AND SERVICE RELIABILITY (WEATHERING, ELECTRIC STRENGTH, CORONA, FUNGUS RESISTANCE)  
BY: FILBERT, W.H. NOBLE, M.G.  
SEVENTEENTH SYMPOSIUM, 1968 (AD-678492)
- 397 PROPYLENE POLYMERS FOR INSULATION OF COMMUNICATION CABLES (BLOCK COPOLYMER, IMPACT-MODIFIED POLYPROPYLENE)  
BY: HARRIS, B.V.  
SEVENTEENTH SYMPOSIUM, 1968 (AD-678693)
- 398 IMPROVED PROPYLENE COPOLYMER DIELECTRICS FOR COMMUNICATIONS CABLE (POLYPROPYLENE, EXTRUSION, TENSILE PROPERTIES)  
BY: WALSH, V.E.  
SEVENTEENTH SYMPOSIUM, 1968 (AD-678550)
- 399 POLYPROPYLENE INSULATED TELEPHONE CABLES (COMMUNICATIONS CABLE, MECHANICAL PROPERTIES, ELECTRIC CHARACTERISTICS)  
BY: SOUNDARARAJAN, N.R.  
SEVENTEENTH SYMPOSIUM, 1968 (AD-680074)
- 400 NEW EXTRUSION TECHNIQUE FOR FOAMED HIGH DENSITY POLYETHYLENE INSULATION (FINE GAUGE CONDUCTORS)  
BY: KAWAZOE, C. ICHIBA, T. SHIMBA, H.  
KADODA, K.  
SEVENTEENTH SYMPOSIUM, 1968 (AD-676606)
- 401 POTENT REPLANT COMPOUNDS (R-55, GEOPHYSICAL, COMMUNICATION, POLYETHYLENE, POLYURETHANE, JACKETING)  
BY: CRAIG, R.F. MAILEN, T.H. STANSBURY, R.E.  
SEVENTEENTH SYMPOSIUM, 1968 (AD-677984)
- 402 IMPROVED COAXIAL AND MULTICONDUCTOR CABLE MATERIALS (POLYMERS, INSULATION, JACKETING, TEMPERATURE RESISTANCE)  
BY: KELL, R.M. BENNETT, B. STICKNEY, P.B.  
SEVENTEENTH SYMPOSIUM, 1968 (AD-677166)
- 403 STRAIGHT CHAIN PLASTICIZERS IN ELECTRICAL APPLICATIONS (PVC, VOLUME RESISTIVITY, DI-ISODECYCLOPHTHA)  
BY: FREITEL, R.C. HEWALL, R.W. ARMOND, C.  
SEVENTEENTH SYMPOSIUM, 1968 (AD-677596)
- 404 MULTI-PURPOSE PIC TELEPHONE CABLE SPLICING KITS (SOUTHEAST ASIA, RELIABLE SPLICING, SCOTCHCAST MATERIALS)  
BY: SCHWILKE, T.F.  
SEVENTEENTH SYMPOSIUM, 1968 (AD-678549)
- 405 YIELD STRESS-CONTROLLED DIFFUSION BONDING OF CABLE WIRES TO CONNECTORS (JUNING TECHNIQUE, SOLDER)  
BY: RHEE, S.K. SPURGEON, W.N.  
SEVENTEENTH SYMPOSIUM, 1968 (AD-677570)
- 406 THE EFFECT OF WIRE PLATING ON THE RELIABILITY OF CRIMPED CONTACTS (CONTACT RESISTANCE, PLATED WIRE, TENSILE PROPERTIES)  
BY: LINDMAN, R.E.  
SEVENTEENTH SYMPOSIUM, 1968 (AD-677900)
- 407 POLYETHYLENE BONDING TO METAL FOR CABLE PENETRATION OF PRESSURE HULLS AND COMMUNICATIONS APPLICATION (TENSILE PROPERTIES, SOLDER)  
BY: RYATT, W.W. LENKEY, J.  
SEVENTEENTH SYMPOSIUM, 1968 (AD-676608)
- 408 MINILIGHTWEIGHT TELECOMMUNICATION COMPONENTS (CONNECTORS, FLEXIBLE TELEPHONE, IMPACT, STRAIN)  
BY: HODORST, W. SEEHAUSEN, H.H.  
SEVENTEENTH SYMPOSIUM, 1968 (AD-678692)
- 409 SUBMINIATURE ADDED FRACTILE CORDS (CADMIUM-COPPER, SHIELDING, TINS, WIRE, PROPYLENE COPOLYMER, HE)  
BY: LOUGH, W.H. LICHTENSTEIN, D. WOLFF, J.C.  
DUDLEY, R.H.  
SEVENTEENTH SYMPOSIUM, 1968 (AD-678824)

- 410 MULTIPAIR CABLES FOR BROAD-BAND TRANSMISSION (COUPLING LOSS, BALANCE  
D CABLE, CROSSTALK COUPLING)  
BY: KAIDEN, H. INAO, S.  
SEVENTEENTH SYMPOSIUM, 1968 (AD-676589)
- 411 THE DEVELOPMENT OF FULLY FILLED CABLES FOR THE TELEPHONE DISTRIBUTIO  
N NETWORK (PETROLEUM JELLY  
BY: DEAN, N.S.  
SEVENTEENTH SYMPOSIUM, 1968 (AD-678479)
- 412 MODERN PLASTIC CABLE CONSTRUCTIONS WITH MOISTURE BARRIER (FLEXIBILIT  
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- 432 NEW WIRING TECHNIQUES IN METROPOLITAN AREAS (CATV, COAXIAL CABLE, CA  
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- 443 DIGITAL DATA TRANSMISSION IN SHIPBOARD APPLICATIONS (FLAT CABLE, INT  
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BUSCH, G.A.
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- 451 SELF RETURN NEAR-END NEAR-END CROSSTALK OF MULTI-PAIR BALANCED TYPE  
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- 452 A LOW CAPACITANCE CABLE FOR THE T2 DIGITAL CARRIER SYSTEM (ATTENUATI  
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- 453 MULTIPAIR CABLE SHIELDING FOR PCM TRANSMISSION (CROSSTALK, NEAR-END  
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- 454 DESIGN AND APPLICATIONS OF COAXIAL CABLE CARRIER SYSTEMS (TELEPHONE,  
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BY: ASAI, A. UTSUMI, A. JITSUKAWA, M.  
FUJIWARA, Y.  
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- 462 MANUFACTURING WATERPROOF TELEPHONE CABLE (FLOODING TECHNIQUE, FILLIN  
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- 463 COMPATIBILITY OF POLYOLEFINE INSULATION AND HYDROCARBON FILLERS IN T  
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- 471 FLAT CONDUCTOR CABLE APPLICATION FOR AIRPLANE POWER FEEDERS (TERMINATION CONCEPTS, INTERCONNECTION  
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- 473 THE UNIT-FIELD FLAT CABLE: A NEW MULTISIGNAL TRANSMISSION LINE  
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- 474 AN ADVANCED MULTI-UNIT COAXIAL CABLE FOR TOLL PCM SYSTEMS (CORRUGATED, BUTT-DEAM)  
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- 479 ELECTRO-MAGNETIC INTERFERENCE WITH VIDEO TRANSMISSION CABLE (RF INTERFERENCE, SHIELD FACTOR, TRANS  
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- 483 NEW TYPE PAIRED CABLE FOR HIGH SPEED PCM TRANSMISSION (SHIELD, PEF INSULATION, HIGH IMPEDANCE)  
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- 494 DEVELOPMENT AND PRACTICAL APPLICATION OF 375 TYPE 18 CORE COAXIAL CA  
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- 495 PREFABRICATED PRESSURE DAM FOR TELEPHONE CABLE (GAS TIGHTNESS, INSTA  
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- 497 THERMAL AGING OF TIN COATED COPPER CONDUCTORS (DIFFUSION, AEROSPACE,  
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- 501 LONG TERM STABILITY OF POLYETHYLENE INSULATED FULLY FILLED CABLES (T  
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- 503 COMPUTER AIDED DESIGN OF BRAID PARAMETERS FOR COAXIAL CABLE  
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- 504 FLAT CABLE CROSSTALK AT AUDIO AND VIDEO FREQUENCIES  
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- 507 LIGHTNING PROTECTION OF BURIED COAXIAL CABLES  
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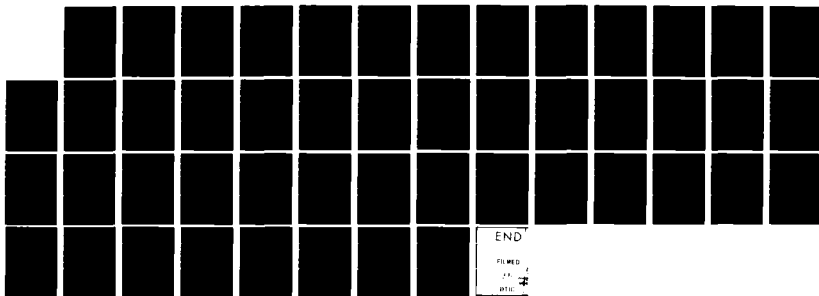
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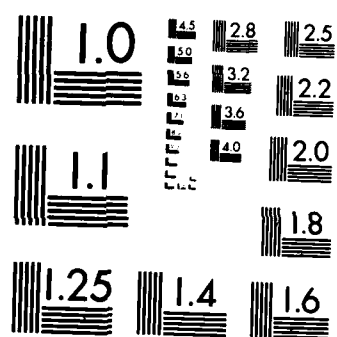
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